





ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/041,615

DATE: 02/04/2003 P.6

TIME: 13:52:26

Input Set : A:\cura 533 us list.txt Output Set: N:\CRF4\02042003\J041615.raw

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2 <110> APPLICANT: Casman, Stacie J
              Edinger, Shlomit R
              Ellerman, Karen
      5
              Smithson, Glennda
              Kekuda, Ramesh
              Padigaru, Muralidhara
      9 <120> TITLE OF INVENTION: Novel GPCR-Like Proteins and Nucleic Acids Encoding Same
     11 <130> FILE REFERENCE: 21402-233-061
     13 <140> CURRENT APPLICATION NUMBER: 10/041,615
C--> 14 <141> CURRENT FILING DATE: 2003-01-29
     16 <150> PRIOR APPLICATION NUMBER: 60/259,552
     17 <151> PRIOR FILING DATE: 2001-01-03
     19 <150> PRIOR APPLICATION NUMBER: 60/260,544
     20 <151> PRIOR FILING DATE: 2001-01-09
     22 <150> PRIOR APPLICATION NUMBER: 60/277,405
     23 <151> PRIOR FILING DATE: 2001-03-20
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    27 <170> SOFTWARE: CuraSeqList version 0.1
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    30 <211> LENGTH: 947
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     32 <213> ORGANISM: Homo sapiens
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    35 <221> NAME/KEY: CDS
    36 <222> LOCATION: (17)..(931)
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    40
    41
                            1
    43 tct cag gaa ctc cag acc ttc cta ttt atg ttg ttt ttt gta ttc tat
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    44 Ser Gln Glu Leu Gln Thr Phe Leu Phe Met Leu Phe Phe Val Phe Tyr
                 15
                                     20
    47 gga gga atc gtg ttt gga aac ctt ctt att gtc ata aca gtg gta tct
    48 Gly Gly Ile Val Phe Gly Asn Leu Leu Ile Val Ile Thr Val Val Ser
                                 35
    51 gac tcc cac ctt cac tct ccc atg tac ttc ctg cta gcc aac ctc tca
    52 Asp Ser His Leu His Ser Pro Met Tyr Phe Leu Leu Ala Asn Leu Ser
                             50
    55 ctc att gat ctg tct ctg tct tca gtc aca gcc ccc aag atg att act
    56 Leu Ile Asp Leu Ser Leu Ser Ser Val Thr Ala Pro Lys Met Ile Thr
                         65
                                             70
    59 gac ttt ttc agc cag cgc aaa gtc atc tct ttc aag ggc tgc ctt gtt
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60 Asp Phe Phe Ser Gln Arg Lys Val Ile Ser Phe Lys Gly Cys Leu Val

Input Set : A:\cura\_533\_us\_list.txt
Output Set: N:\CRF4\02042003\J041615.raw

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63 cag ata ttt ctc ctt cac ttc ttt ggt ggg agt gag atg gtg atc ctc	340
64 Gln Ile Phe Leu Leu His Phe Phe Gly Gly Ser Glu Met Val Ile Leu	340
65 95 100 105	
67 ata gcc atg ggc ttt gac aga tat ata gca ata tgc aag ccc cta cac	388
68 Ile Ala Met Gly Phe Asp Arg Tyr Ile Ala Ile Cys Lys Pro Leu His	500
69 110 115 120	
71 tac act aca att atg tgt ggc aac gca tgt gtc ggc att atg gct gtc	436
72 Tyr Thr Thr Ile Met Cys Gly Asn Ala Cys Val Gly Ile Met Ala Val	430
73 125 130 135 140	
75 aca tgg gga att ggc ttt ctc cat tcg gtg agc cag ttg gcg ttt gcc	484
76 Thr Trp Gly Ile Gly Phe Leu His Ser Val Ser Gln Leu Ala Phe Ala	101
77 145 150 155	
79 gtg cac tta ctc ttc tgt ggt ccc aat gag gtc gat agt ttt tat tgt	532
80 Val His Leu Leu Phe Cys Gly Pro Asn Glu Val Asp Ser Phe Tyr Cys	JJ2
81 160 165 170	
83 gac ctt cct agg gta atc aaa ctt gcc tgt aca gat acc tac agg cta	580
84 Asp Leu Pro Arg Val Ile Lys Leu Ala Cys Thr Asp Thr Tyr Arg Leu	300
85 175 180 185	
87 gat att atg gtc att gct aac agt ggt gtg ctc act gtg tgt tct ttt	628
88 Asp Ile Met Val Ile Ala Asn Ser Gly Val Leu Thr Val Cys Ser Phe	020
89 190 195 200	
91 gtt ctt cta atc atc tca tac act atc atc cta atg acc atc cag cat	676
92 Val Leu Ile Ile Ser Tyr Thr Ile Ile Leu Met Thr Ile Gln His	0,0
93 205 210 215 220	
95 cgc cct tta gat aag tcg tcc aaa gct ctg tcc act ttg act gct cac	724
96 Arg Pro Leu Asp Lys Ser Ser Lys Ala Leu Ser Thr Leu Thr Ala His	124
97	
99 att aca gta gtt ctt ttg ttc ttt gga cca tgt gtc ttt att tat gcc	772
100 Ile Thr Val Val Leu Leu Phe Phe Gly Pro Cys Val Phe Ile Tyr Ala	
101 240 245 250	
103 tgg cca ttc ccc atc aag tca tta gat aaa ttc ctt gct gta ttt tat	820
104 Trp Pro Phe Pro Ile Lys Ser Leu Asp Lys Phe Leu Ala Val Phe Tyr	
105 255 260 265	
107 tct gtg atc acc cct ctc ttg aac cca att ata tac aca ctg agg aac	868
108 Ser Val Ile Thr Pro Leu Leu Asn Pro Ile Ile Tyr Thr Leu Arg Asn	
109 270 275 280	
111 aaa gac atg aag acg gca ata aga cag ctg aga aaa tgg gat gca cat	916
112 Lys Asp Met Lys Thr Ala Ile Arg Gln Leu Arg Lys Trp Asp Ala His	
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121 <212> TYPE: PRT	
122 <213> ORGANISM: Homo sapiens	
124 <400> SEQUENCE: 2	
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Input Set : A:\cura\_533\_us\_list.txt
Output Set: N:\CRF4\02042003\J041615.raw

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126
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131 Phe Gly Asn Leu Leu Ile Val Ile Thr Val Val Ser Asp Ser His Leu
             35
                                 40
134 His Ser Pro Met Tyr Phe Leu Leu Ala Asn Leu Ser Leu Ile Asp Leu
137 Ser Leu Ser Ser Val Thr Ala Pro Lys Met Ile Thr Asp Phe Phe Ser
138 65
                         70
140 Gln Arg Lys Val Ile Ser Phe Lys Gly Cys Leu Val Gln Ile Phe Leu
                     85
                                          90
143 Leu His Phe Phe Gly Gly Ser Glu Met Val Ile Leu Ile Ala Met Gly
                100
                                    105
146 Phe Asp Arg Tyr Ile Ala Ile Cys Lys Pro Leu His Tyr Thr Thr Ile
           115
                                120
                                                     125
149 Met Cys Gly Asn Ala Cys Val Gly Ile Met Ala Val Thr Trp Gly Ile
        130
                            135
                                                 140
152 Gly Phe Leu His Ser Val Ser Gln Leu Ala Phe Ala Val His Leu Leu
153 145
                        150
                                            155
155 Phe Cys Gly Pro Asn Glu Val Asp Ser Phe Tyr Cys Asp Leu Pro Arg
                    165
158 Val Ile Lys Leu Ala Cys Thr Asp Thr Tyr Arg Leu Asp Ile Met Val
                                    185
161 Ile Ala Asn Ser Gly Val Leu Thr Val Cys Ser Phe Val Leu Leu Ile
164 Ile Ser Tyr Thr Ile Ile Leu Met Thr Ile Gln His Arg Pro Leu Asp
165
                            215
167 Lys Ser Ser Lys Ala Leu Ser Thr Leu Thr Ala His Ile Thr Val Val
168 225
                        230
170 Leu Leu Phe Phe Gly Pro Cys Val Phe Ile Tyr Ala Trp Pro Phe Pro
                    245
                                        250
173 Ile Lys Ser Leu Asp Lys Phe Leu Ala Val Phe Tyr Ser Val Ile Thr
                                    265
176 Pro Leu Leu Asn Pro Ile Ile Tyr Thr Leu Arg Asn Lys Asp Met Lys
177
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179 Thr Ala Ile Arg Gln Leu Arg Lys Trp Asp Ala His Ser Ser Val Lys
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186 <211> LENGTH: 948
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191 <221> NAME/KEY: CDS
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       Met Arg Pro Asn Asn Ser Ile Thr Glu Phe Val Leu Leu Gly Phe
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48

Input Set : A:\cura\_533\_us\_list.txt
Output Set: N:\CRF4\02042003\J041615.raw

200 Ser Gln Asp Pro Gly Met Gln Lys Glu Leu Phe Val Met Phe Leu Phe 201	10
200 Ser Gln Asp Pro Gly Met Gln Lys Glu Leu Phe Val Met Phe Leu Phe 201	14 92
201 20 25 30  203 aca tac gtt gtg act gtg ttg ggg aac cag ctc att gtg gtg act atc 14  204 Thr Tyr Val Val Thr Val Leu Gly Asn Gln Leu Ile Val Val Thr Ile 205 35 40 45  207 att gcc agc cct tcc ttg ggc tcc cca atg tac ttc ttc ctt gcc tgc 19  208 Ile Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Cys 209 50 55 60  211 ctg tca ttt ata gat gct gca tat ttc act gtc att tct ccc aaa ttg 212 Leu Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu 213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc tc caa acg ttc 216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe 217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 33  220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	10
203 aca tac gtt gtg act gtg ttg ggg aac cag ctc att gtg gtg act atc 204 Thr Tyr Val Val Thr Val Leu Gly Asn Gln Leu Ile Val Val Thr Ile 205 35 40 45  207 att gcc agc cct tcc ttg ggc tcc cca atg tac ttc ttc ctt gcc tgc 19 208 Ile Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Cys 209 50 55 60  211 ctg tca ttt ata gat gct gca tat ttc act gtc att tct ccc aaa ttg 212 Leu Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu 213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc tcc caa acg ttc 216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe 217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 33  220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	10
The Tyr Val Val Thr Val Leu Gly Asn Gln Leu Ile Val Val Thr Ile  205	10
205 35 40 45  207 att gcc agc cct tcc ttg ggc tcc cca atg tac ttc ttc ctt gcc tgc 19  208 Ile Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Cys  209 50 55 60  211 ctg tca ttt ata gat gct gca tat ttc act gtc att tct ccc aaa ttg  212 Leu Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu  213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc ttc caa acg ttc  216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe  217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc  233 220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	10
207 att gcc agc cct tcc ttg ggc tcc cca atg tac ttc ttc ctt gcc tgc 208 Ile Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Cys 209 50 55 60  211 ctg tca ttt ata gat gct gca tat ttc act gtc att tct ccc aaa ttg 24  212 Leu Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu 213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc ttc caa acg ttc 28  216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe 217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 33  220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	10
208 Ile Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Cys 209 50 55 60  211 ctg tca ttt ata gat gct gca tat ttc act gtc att tct ccc aaa ttg 212 Leu Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu 213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc ttc caa acg ttc 216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe 217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 33  220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	10
209 50 55 60  211 ctg tca ttt ata gat gct gca tat ttc act gtc att tct ccc aaa ttg 24  212 Leu Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu  213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc ttc caa acg ttc 28  216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe  217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 33  220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	
211 ctg tca ttt ata gat gct gca tat ttc act gtc att tct ccc aaa ttg 212 Leu Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu 213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc ttc caa acg ttc 216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe 217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 233  240 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	
212 Leu Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu 213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc ttc caa acg ttc 216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe 217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 230 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	
212 Leu Ser Phe Ile Asp Ala Ala Tyr Phe Thr Val Ile Ser Pro Lys Leu 213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc ttc caa acg ttc 216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe 217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 230 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	8
213 65 70 75  215 att gtg gac tta ctc tgt gat aaa aag act att tcc ttc caa acg ttc 28  216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe  217 80 85 90 95  219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 33  220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	8
215 att gtg gac tta ctc tgt gat aaa aag act att tcc ttc caa acg ttc 216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe 217 80 85 90 95 219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 280 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	8
216 Ile Val Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Gln Thr Phe 217 80 85 90 95 219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 33 220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	_
217 80 85 90 95 219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 33 220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	
219 atg ggc caa cta ttt ata gac cac ttc ttt ggt ggt gca gag gcc ttc 33 220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	
220 Met Gly Gln Leu Phe Ile Asp His Phe Phe Gly Gly Ala Glu Ala Phe	16
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221 100 105 110	
223 ctt ctg gtg gtg atg gcc tat gat cgc tat gtt gcc atc tgt aag aca 38	1
224 Leu Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Thr	
225 115 120 125	
227 ttg cac tat ttg acc atc atg act cga cag gtt tgt atc ctt gca ttg 43	2
228 Leu His Tyr Leu Thr Ile Met Thr Arg Gln Val Cys Ile Leu Ala Leu	2
229 130 135 140	
	. ^
231 ctg gtg gct gcg aca ggc ggt ttt gtg cat tct gtg ttt caa att gtt 48	U
232 Leu Val Ala Ala Thr Gly Gly Phe Val His Ser Val Phe Gln Ile Val	
233 145 150 155	
235 gtt gtg tac agt ctc cct ttc tgt ggc gcc aat gtc att gat cat ttc 52	8
236 Val Val Tyr Ser Leu Pro Phe Cys Gly Ala Asn Val Ile Asp His Phe	
237 160 165 170 175	
239 agt tgt gac atg tat cca tta ttg gaa ctg gca tgt act gac acc tac 57	6
240 Ser Cys Asp Met Tyr Pro Leu Leu Glu Leu Ala Cys Thr Asp Thr Tyr	
241 180 185 190	
243 ttt ata ggc ctc act gtt gtt ttc agt ggt gga gca ctc tgt atg gtc 62	4
244 Phe Ile Gly Leu Thr Val Val Phe Ser Gly Gly Ala Leu Cys Met Val	
245 195 200 205	
247 atc ttc acc ctt cta ata att tcc tat agg gtc atc cta aac tcc ctt 67	2
248 Ile Phe Thr Leu Leu Ile Ile Ser Tyr Arg Val Ile Leu Asn Ser Leu	
249 210 215 220	
251 aaa act tac act cag gaa ggg agg cat aaa gcc ctg tct acc tgc agc $72$	0
252 Lys Thr Tyr Thr Gln Glu Gly Arg His Lys Ala Leu Ser Thr Cys Ser	
253 225 230 235	
255 tcc cac atc act gtg att gtt ctc ttt tta ttc cct gta ttt tca tat 76	_
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256 Ser His Ile Thr Val Ile Val Leu Phe Leu Phe Pro Val Phe Ser Tyr	8
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256 Ser His Ile Thr Val Ile Val Leu Phe Leu Phe Pro Val Phe Ser Tyr 257 240 245 250 255	
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Input Set : A:\cura\_533\_us\_list.txt
Output Set: N:\CRF4\02042003\J041615.raw

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265	_			275			•		280			•	-	285		,	
	aat	tca	gag	atσ	aga	aat	att	ata	gaa	aaa	ctc	tta	ata		aaσ	αta	912
		Ser															712
269			290		9	11011		295	<u> </u>	2,5	200	Lou	300	275	11 7 3	• • •	
	act	ata		2012	2 t 2	202	aaa		ato	ctc	a+a	t 20					948
		Ile										tag	•				940
273	TIIT		FIIE	ALG	тте	1111		ser	тте	ьеи	Met						
	<b>/</b> 21	305	- T	D NO			310										
		0> SI															
		1> LI			14												
		2> T															
		3> OI				o sar	oien:	S									
		0> SI															
	Met	Arg	Pro	Asn	Asn	Ser	Ile	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Ser	
282	1				5					10					15		
284	Gln	Asp	Pro	Gly	Met	Gln	Lys	Glu	Leu	Phe	Val	Met	Phe	Leu	Phe	Thr	
285				20					25					30			
287	Tyr	Val	Val	Thr	Val	Leu	Gly	Asn	Gln	Leu	Ile	Val	.Val	Thr	Ile	Ile	
288	-		35				-	40					45				
290	Ala	Ser	Pro	Ser	Leu	Glv	Ser	Pro	Met	Tvr	Phe	Phe		Ala	Cvs	Len	
291		50				1	55			- 1 -		60			0,10		
	Ser	Phe	Tle	Asp	Ala	Ala		Phe	Thr	Val	Tle		Pro	Luc	I.211	Tla	
294	65			ПОР		70	- y +		****	• • • •	75	DCI	110	цур	шси	80	
		Asp	Τ.Δ11	T.011	Cve		Luc	Tue	Thr	Tlo	_	Dho	Cln	Thr	Dho		
297	Val	7150	пси	пец	85	АЗР	цуз	пуз	1111	90	Ser	FIIE	GIII	1111	95	Met	
	C1.,	Cln	T 011	Dho		70.00	ui a	Dho	Dha		C1	70 7	C 1	71.7 -		T	
300	<b>G</b> т у	Gln	теп		тте	ASD	птъ	Pne		GTA	GTY	Ата	GIU		Pne	ьeu	
	T	17-1	77-7	100	70.7	<b>.</b>	*		105	** 7		~ 3	_	110		_	
	ьeu	vaı		мес	Ата	Tyr	Asp	_	Tyr	vaı	Ата	тте	_	ьуs	Thr	Leu	
303		_	115					120				_	125				
		Tyr	Leu	Thr	lle	Met		Arg	Gln	Val	Cys		Leu	Ala	Leu	Leu	
306		130					135					140					
308	Val	Ala	Ala	Thr	Gly	Gly	Phe	Val	His	Ser	Val	Phe	Gln	Ile	Val	Val	
309						150					155					160	
	Val	Tyr	Ser	Leu	Pro	Phe	Cys	Gly	Ala	Asn	Val	Ile	Asp	His	Phe	Ser	
312					165					170					175		
314	Cys	Asp	Met	Tyr	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Thr	Asp	Thr	Tyr	Phe	
315				180					185					190			
317	Ile	Gly	Leu	Thr	Val	Val	Phe	Ser	Gly	Gly	Ala	Leu	Cys	Met	Val	Ile	
318			195					200	-	-			205				
320	Phe	Thr	Leu	Leu	Ile	Ile	Ser		Ara	Val	Ile	Leu		Ser	Leu	Lvs	
321		210					215	- 1 -	9			220					
	Thr	Tyr	Thr	Gln	Glu	Glv		His	Lvs	Ala	Ĭ.011		Thr	Cvs	Ser	Ser	
324	225	- 1		~		230	9	0	1		235	JUL		O Y S	JUL	240	
		Ile	Thr	V=1	Tla		Len	Dho	Len	Dha		<b>77</b> ~ 1	Dha	C^~	Т~		
327	*113	1 T C	TIIT	vaı		vaı	тeп	rne	теп		LIO	val	rne	oer		val	
	7~~	Dece	777	C	245	Dh -	C	т1-	71	250	D.	34.	m).	**- 7	255 Db.	m	
320	arg	Pro	val		ASN	rne	ser	тте		rnr	rne	Met	Inr		rne	Tyr	
330	m L	,, ,	~ 1	260	_	-	_	_	265	_		_	<u>.</u> .	270	_	_	
332	ınr	Val	тте	Inr	Pro	Lys	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Phe	Arg	Asn	

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/041,615

DATE: 02/04/2003 TIME: 13:52:27

Input Set : A:\cura\_533\_us\_list.txt
Output Set: N:\CRF4\02042003\J041615.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:51; Xaa Pos. 276
Seq#:98; Xaa Pos. 286

VERIFICATION SUMMARY

DATE: 02/04/2003

PATENT APPLICATION: US/10/041,615

TIME: 13:52:27

Input Set : A:\cura\_533\_us\_list.txt
Output Set: N:\CRF4\02042003\J041615.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:4011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:272 L:7241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:272